



**February 7, 2025**

**FINANCIAL ASSISTANCE CENTER  
FINDING OF NO SIGNIFICANT IMPACT/ENVIRONMENTAL ASSESSMENT**

**TO: ALL INTERESTED GOVERNMENT AGENCIES AND PUBLIC GROUPS**

In accordance with procedures for environmental review found at 10 CSR 60-13.030, a review has been performed on the proposed action below:

Project Identification: Drinking Water System Distribution Improvements

Applicant: Fisk Public Water Supply

Project No: DW291404-01

City: Fisk

County: Butler

State: Missouri

Estimated Project Amount: \$2,555,600

Potential State Revolving Fund (SRF) Amount: \$2,555,600

**COMMUNITY DESCRIPTION:**

Location: The City of Fisk is located in southeastern Missouri within Butler County near the border with Stoddard County. The city is approximately 10 miles east of the City of Poplar Bluff, Missouri.

Population, Present and Projected, and Design Year: The city serves a population of approximately 342 people with an average daily water demand of 55,000 gallons per day (gpd) with a max day demand of 82,500 gpd. Twenty-five-year growth forecasts approximately 359 people with an average daily water demand of 57,750 gpd and a max day demand of approximately 86,625 gpd.

Current Methods of Supply, Storage, Water Treatment, and Distribution: The city acquires water from one primary well, Well No. 2. A second well, Well No. 1, exists, but has been abandoned. There are two storage facilities: a 50,000-gallon elevated storage tank and a 50,000-gallon ground storage tank. There is a water treatment plant in operation, which is equipped with gaseous chlorine feed, vertical sand filtration for iron and manganese removal, aeration, polymer feed, fluoridation feed, backwash system, and transfer pumps.



## PROJECT DESCRIPTION:

Distribution Improvements: The project will consist of the replacement of all 175 of the city's meters, and equipping them with a cellular Automatic Meter Read System.

Treatment Improvements: The project will consist of rehabilitating the sand filtration system, installation of new high/low service pumps, disinfection system upgrades, and new aeration equipment.

Source Improvements: The project will consist of the drilling of two new shallow sand-wells and removal of the two existing wells. Fencing will also be installed around the new wells.

Purpose and Need: The purpose of the project is to make the necessary improvements to enable the city to operate a water system that meets drinking water quality standards and provide reliable water service, both now and within the city's planning period. The improvements are proposed to improve water safety and to increase water supply.

Design Factors: Work will be performed in right-of-ways, easements, and on property owned by the water system. Construction activity will consist of boring, trenching, digging, and movement of machinery over the surface. The design standards used in this project are based on the 2013 Minimum Design Standards for Missouri Community Water Systems.

## ALTERNATIVES CONSIDERED:

- No Action (Not Selected): This alternative would require the city to continue to operate and maintain the existing system to provide water service to its customers. This alternative would not address the age or status of the treatment plant.
- Action Alternative No. 1 (Selected): This action alternative will rehabilitate the existing treatment plant. The floor will be repainted with a non-slick grit paint. The internal piping, aerator, and roof ladder of the aeration detention structure will be replaced, as will the chlorine dosing controls of the gas chlorination room. The sand filter piping, media, and other components of the sand filtration system and the pump skid of the high/low service pumps need to be replaced as well. The fluoride and polymer feed room needs a new eyewash/shower unit. Additionally, two new wells will be drilled, and the two existing wells removed, and all meters in the distribution system will be replaced.
- Action Alternative No. 2 (Not Selected): This action alternative will include the construction of a new gravity filter iron removal plant. This would include a new aerator, aeration detection tank, detection tank piping, two tube settler/gravity filter combo treatment units, backwash system, low-service pumps, high-service pumps, controls, chlorination rooms, a lab, office, and bathroom. The existing gaseous chlorine cylinder storage room and controls would be replaced. The wells and meter replacement are identical to those in Action Alternative No. 1.

## REASONS FOR SELECTION OF PROPOSED ALTERNATIVES

Selected Actions: Action Alternative No. 1 was selected over the other alternatives as it provides the most feasible and cost-effective solution to provide adequate water for the system.

## ENVIRONMENTAL IMPACT SUMMARY:

### 1. Primary Impacts

- a. Construction: Blowing dust, temporary surface disruption, and noise from construction equipment will occur during construction, but these impacts are expected to be minor and temporary in nature.
- b. Environmental: Environmental impacts of the project are expected to be temporary in nature. The proposed improvements will allow the water system to operate more efficiently and provide safe and reliable drinking water to the city's customers for the next 20 years.
- c. Financial: The current average residential user charge for drinking water is \$45.50 per 5,000 gallons. The proposed project is expected to increase the city's average monthly residential user charge for drinking water to approximately \$50.83 per 5,000 gallons.

### 2. Secondary:

- a. Population Impacts: This project is designed to serve the existing water system. No relocation of people or structures is anticipated.
  - b. Land Use and Trends: This project is located within the city limits of Fisk. No significant change in land use trends is expected to result from this project.
  - c. Environmental: No significant secondary environmental impacts are expected as a result of this project.
3. Mitigation Measures Necessary to Eliminate Adverse Environmental Effects: Noise, dust, and erosion normally associated with construction will be minimized by good engineering and construction practices. Restoration of disturbed areas along the water mains will be undertaken after construction is complete. Any debris such as demolition and construction waste, trees, or brush, will be disposed of properly.
  4. Irreversible and Irretrievable Commitment of Resources: Fuel, chemicals, and construction materials will be irretrievably committed to the project. Future funds will be committed to the operation and maintenance of the water system.
  5. Positive Environmental Effects to be Realized from the Proposed Project: The proposed improvements to the city's system will help provide better water quality, improve operations, reduce pressure loss, extend the system's life cycle, and provide more reliability throughout the system.

6. Reasons for Concluding there will be No Significant Impact: The proposed project will have a positive impact on water quality and reliability. Population densities and land use trends will not be significantly affected. Where minor impacts occur, appropriate mitigation measures are planned.

## PUBLIC PARTICIPATION:

1. Public Involvement: The city conducted a public meeting to discuss the proposed project improvements, the engineering alternatives, and environmental impacts of the project on July 9, 2024, at 508 Garfield Street in Fisk, Missouri. Notice of the meeting appeared June 7, 2024, in the Daily American Republic.
2. Public Opposition or Opinions: No adverse comments on the proposed project were received.

## COORDINATION AND DOCUMENTATION WITH OTHER AGENCIES AND SPECIAL INTEREST GROUPS:

1. Facility Plan:
  - Preliminary Engineering Report for Fisk Public Water System, dated June 2022, prepared by Horner Shifrin, Inc.
  - Environmental Review Information for the City of Fisk, dated June 2024, prepared by Heartland Engineering, LLC
2. Federal:  U.S.F.W.S.                                    Corps of Engineers
3. State:

Environmental Notices

  - a. Missouri Department of Natural Resources – Division of State Parks
  - b. Missouri Department of Natural Resources – Missouri Geological Survey
  - c. Missouri Office of Administration – Federal Assistance Clearinghouse
  - d. Missouri Department of Conservation

Historical and Cultural Notices

  - a. Missouri Department of Natural Resources – State Historic Preservation Office
  - b. Native American Tribes
4. Consulting Engineer: Heartland Engineering, LLC  
891 Mockingbird Lane  
Poplar Bluff, MO 63901

This action is taken on the basis of a careful review of the facility plan on file in the office of the Missouri Department of Natural Resources' Financial Assistance Center at 1101 Riverside Drive, Jefferson City, MO 65101. These are available for public review upon request Monday through Friday, 8:00 a.m. to 5:00 p.m. This agency will not take any administrative action on this project for at least 30 calendar days from the date of this document. Persons wishing to comment on the above environmental decision may submit comments to Lauren Graessle, P.E., of the Department of Natural Resources, Financial Assistance Center, P.O. Box 176, Jefferson City, MO 65102-0176, during this period. Thank you.

Sincerely,

FINANCIAL ASSISTANCE CENTER

Lauren Graessle

Lauren Graessle, P.E.  
Director

LG:elc

Attachments

Eric Linger

Eric Linger  
Assistant Engineer

February 7, 2025

Date

## DISTRIBUTION

Department of Conservation  
P.O. Box 180  
Jefferson City, MO 65102

Conservation Federation of Missouri  
728 West Main Street  
Jefferson City, MO 65101

U.S. Environmental Protection Agency  
**c/o Carter Tharp – WWPD/SRFB**  
[Tharp.carter@epamail.epa.gov](mailto:Tharp.carter@epamail.epa.gov)

Missouri Department of Natural Resources  
Missouri Geological Survey  
Environmental Geology Section  
P.O. Box 250  
Rolla, MO 65402-0250

Missouri Department of Natural Resources  
Division of State Parks  
State Historic Preservation Office  
P.O. Box 176  
Jefferson City, MO 65102-0176

U.S. Fish and Wildlife Service  
Ecological Services  
101 Park DeVille Drive, Suite A  
Columbia, MO 65203-0057

National Park Service  
Midwest Region  
[mwro\\_compliance@nps.gov](mailto:mwro_compliance@nps.gov)

USDA Rural Development  
601 Business Loop 70 West  
235 Parkade Center  
Columbia, MO 65203

Gilmore and Bell, P.C.  
**c/o Shannon Walsh Creighton**  
One Metropolitan Square  
211 North Broadway, Suite 2000  
St. Louis, MO 63102-2741

Osage Nation Historic Preservation Office  
627 Grandview  
Pawhuska, OK 74056

SRF File DW291404-01

City of Fisk  
**c/o Courtney Schuster**  
City Clerk  
508 Garfield Street  
Fisk, MO 63940-6171

Heartland Engineering, LLC  
**c/o Bob Summers, P.E.**  
891 Mockingbird Lane  
Poplar Bluff, MO 63901

Missouri Department of Natural Resources  
**Southeast Regional Office**  
2155 North Westwood Boulevard  
Poplar Bluff, MO 63901

Daily American Republic  
208 Poplar Street  
Poplar Bluff, MO 63901

Environmental Protection Agency  
Office of Federal Activities  
Ariel Rios (2252A)  
1200 Pennsylvania Avenue, N.W.  
Washington, DC 20004

U.S. Council on Environmental Quality  
730 Jackson Place, N.W.  
Washington, DC 20006

U.S. Army Corps of Engineers  
Little Rock District  
P.O. Box 867  
Little Rock, AR 72203

Ozark Foothills Regional Planning Commission  
3019 Fair Street  
Poplar Bluff, MO 63901

Lewis, Rice  
**c/o David Brown**  
600 Washington Avenue, Suite 2500  
St. Louis, MO 63102

# **Attached Maps**

1. State Map/Project Location Map
2. Project Location Map

# State of Missouri

## City of Fisk, MO



# Project Location Map

